

## Quick start guide



How do I set up IPS-Remote?

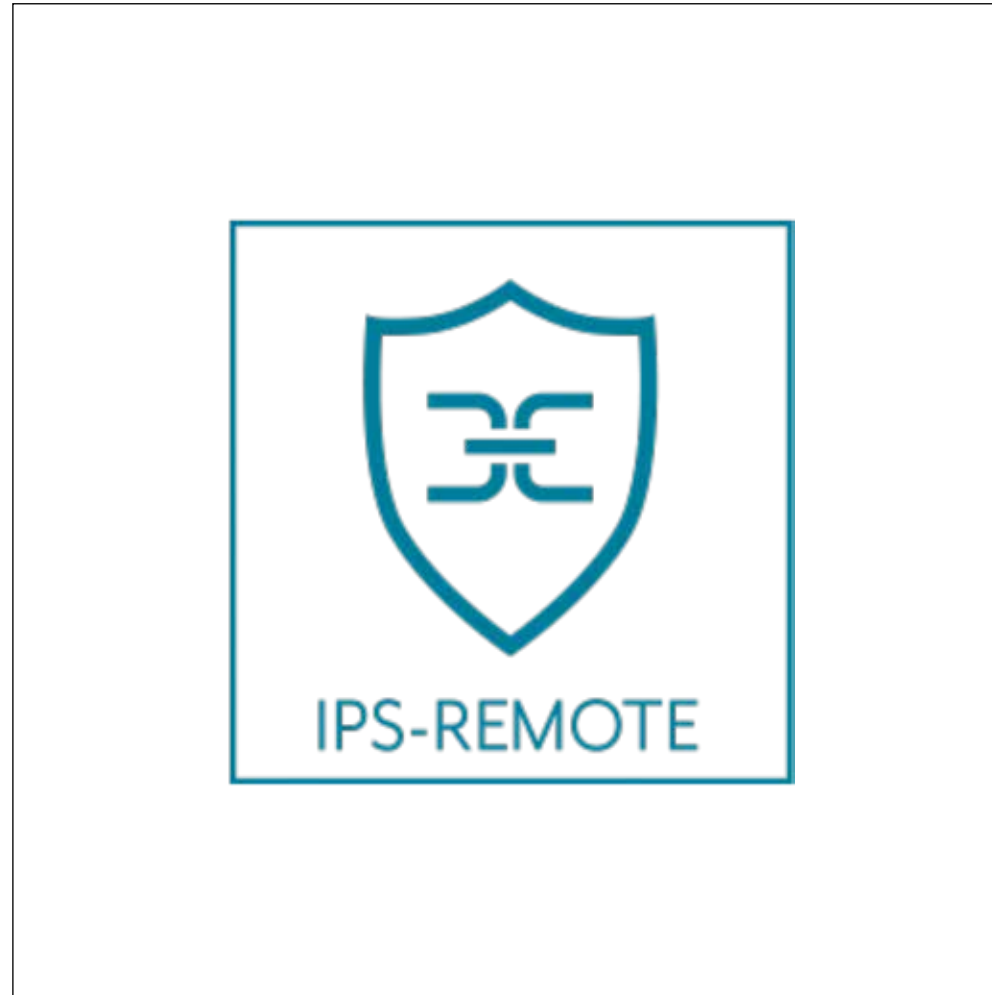
# 1. Introduction

Secure remote maintenance of the KNX installation:

With IPS-Remote you have encrypted remote access according to customer approval.

With this type of maintenance, time-intensive and cost-intensive travel is no longer needed.

These instructions explain the individual steps for commissioning and using it on the basis of an example.



COMPONENTS JUNG	PART NO.	QUAN- TITY
KNX power supply with IP interface	20320 IS IPS R	1
or KNX IP interface	IPS 300 SREG	1
Remote access licence	IPS-L	1

## 2. Overview

IPS-Remote can be set up for your JUNG KNX IP interface in just a few steps.

The table here gives an overview of the necessary steps.

The individual steps are described in detail on the following pages.

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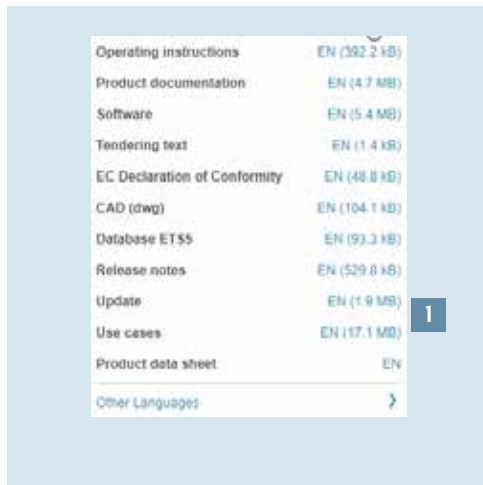
### 3. Update of existing devices

First ensure that you have a current firmware version.

For use of the [KNX IP interface](#): Device firmware version 1.055 (or higher)

For use of the [KNX power supply with IP interface](#): Version 1.056 (or higher)

- First open the online catalogue on the JUNG web site and search for the [KNX IP interface](#) or [Power supply with IP interface](#).



- Download the [update](#) [1] and extract the [KNX update tool](#) (zip file).
- Open the [KNX update tool](#).
- Enter the [physical address of the IP interface](#) [2] and transfer the saved update file by clicking on [Transmit](#) [3]. The device is now updated and ready to set up remote maintenance.

## 4. Licence purchase

You need a remote access licence for the remote maintenance (reference number: IPS-L). Open the MyJUNG portal on the JUNG web site.



1. Log in to the [MyJUNG portal](#) or register as a new user [1].



2. After logging in, switch to the service overview page by confirming with **YES**. Select [Software Licence Sales](#) [2].

## 4.1 Purchase IPS-Remote

You see the products for which you can purchase additional software or licences in Software Licence Sales.

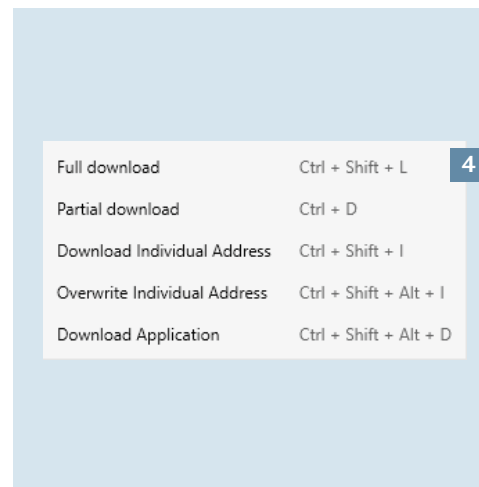
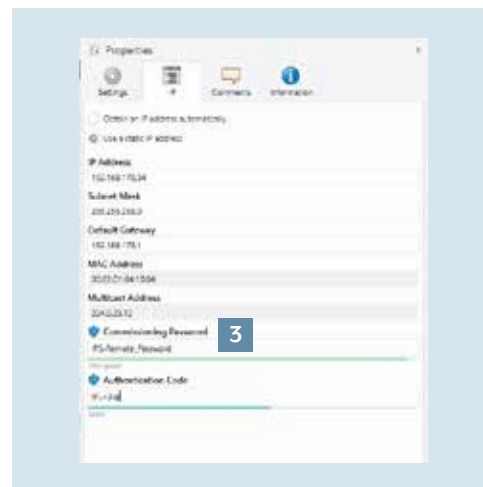
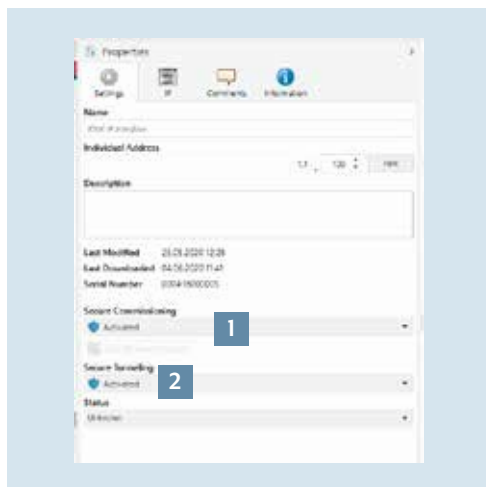


1. Select the licence purchase for **IPS-Remote** [1].
2. Enter the **device serial number** and the **last six digits of the device certificate** [2].
3. If available, enter a **voucher code** [3].
4. Confirm the licence purchase by clicking on **Accept licence data** [4].
5. The subsequent page shows:
  - the **serial number** of your purchased licence [5]
  - the **activation code** [6]

## 5. Prepare IP interface

The device consists of a combination of a basic and an additional application. To use the complete functionality, product applications are necessary for both devices. Both devices require a unique physical address. To be able to use remote maintenance, you must activate the secure commissioning on the basic application of the [KNX IP interface](#) or [power supply with IP interface](#). In addition, you have to activate secure tunnelling.

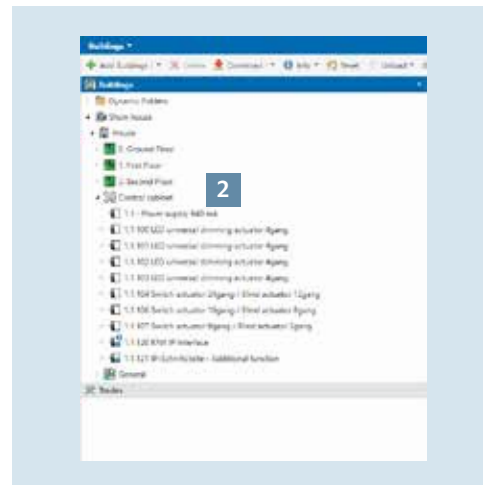
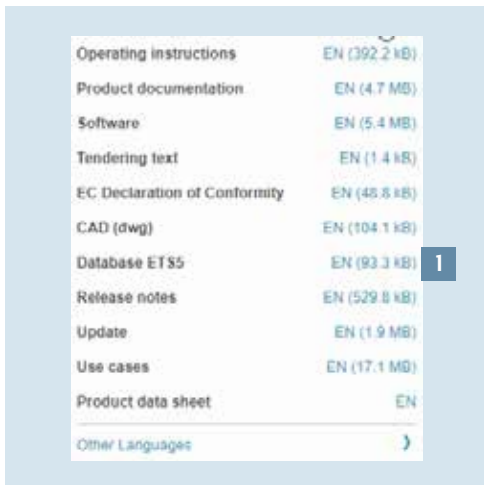
**Note:** Secure tunnelling is only required for remote maintenance. Establishing a connection with all the visualisation solutions continues to be possible as usual.



1. Activate the [Secure commissioning](#) in the ETS [Settings](#) tab and add the [Device certificate](#) [1].  
You will find the device certificate on the side of the device.
2. Activate [Secure tunnelling](#) [2] afterwards.
3. Note the [Commissioning password](#) [3] in the [IP](#) tab.
4. Transfer the [physical address](#) and the [Application program](#) [4] to the device. Press the programming push-button once: Programming LED lights.

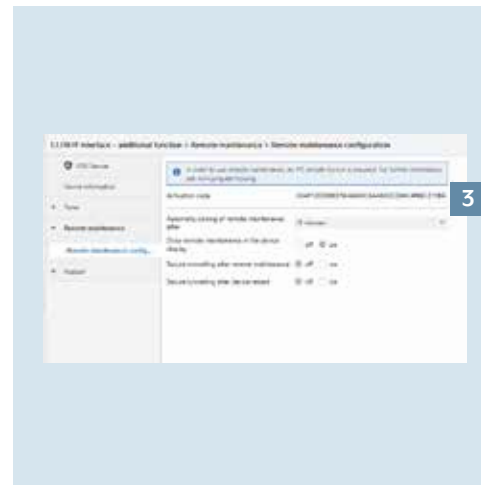
## 6. Activate remote maintenance in ETS

After purchasing a licence, activate the remote maintenance in the ETS software using the additional application.



1. Import the [newest database](#) [1] into the ETS software.
2. You will receive the database either from [JUNG](#) or the [ETS online catalogue](#).

3. Enter the ([IP interface – additional function](#)) item into your [topology](#) [2].
4. Allocate a [physical address](#).
5. Open [IP interface – additional function](#) with a double click.

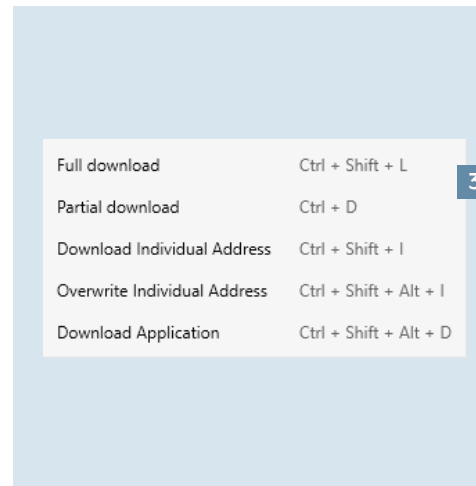
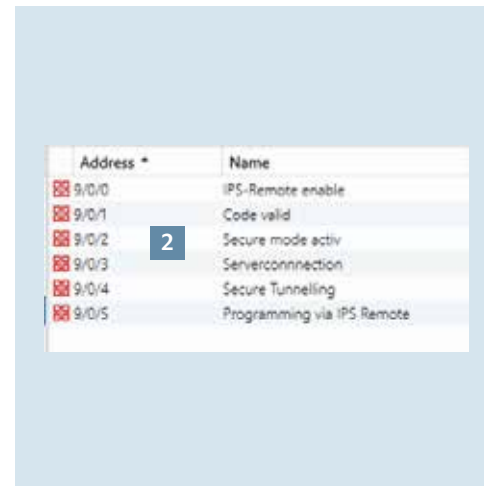
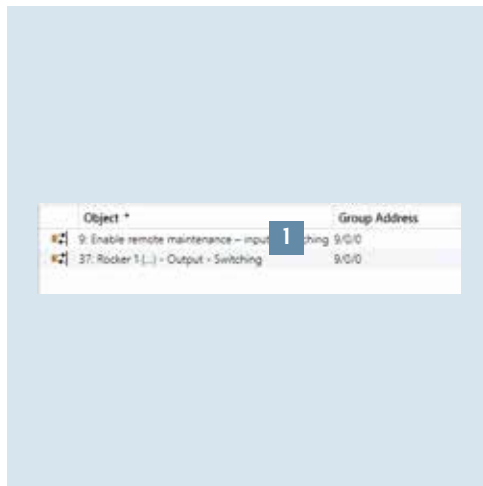


6. Select the [Remote maintenance](#) tab in the dialogue window.
7. Enter the [activation code](#) [3] you received previously.
8. Set the parameters based on the installed infrastructure.



## 7. Enable remote maintenance

After you have entered the activation code in the ETS software, you must still connect the object to the software for the activation. Other communication objects optionally offer a detailed status of the connection (e.g. server connection, access using IPS-Remote).



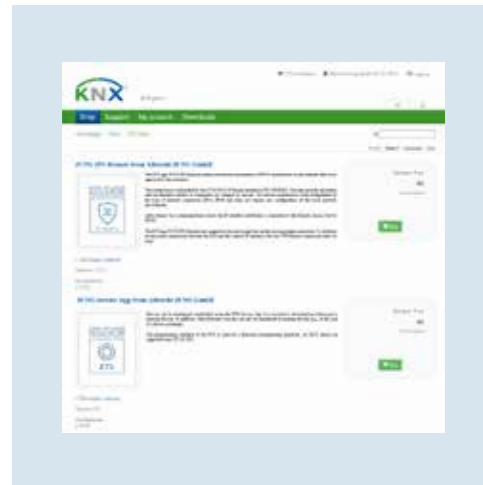
1. Connect the [Enable remote maintenance - Input - Switching](#) object [1] with a group address.
2. Optionally connect further [Status objects](#) [2] with group addresses. You can use the other objects for an overlay visualisation or for status LEDs for sensors, for example.
3. Transfer the [physical address](#) and the [Application program](#) [3] to the device. Press the programming push-button twice: Programming LED flashes.

## 8. Set up IPS-Remote ETS app

First open the ETS app shop on the web site <https://my.knx.org>.



1. Log in to [MyKNX](#) or register as a new user.



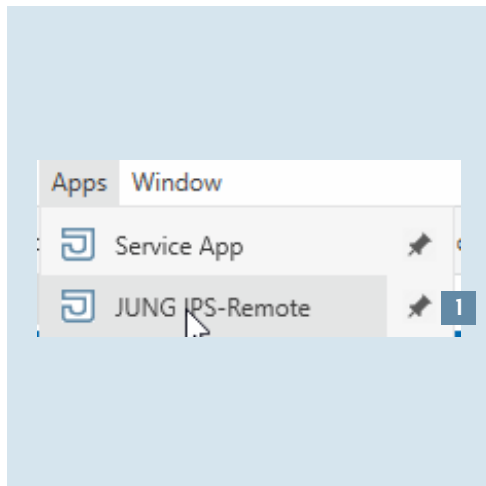
2. Click on the [Shop](#) tab and select [ETS Apps](#).



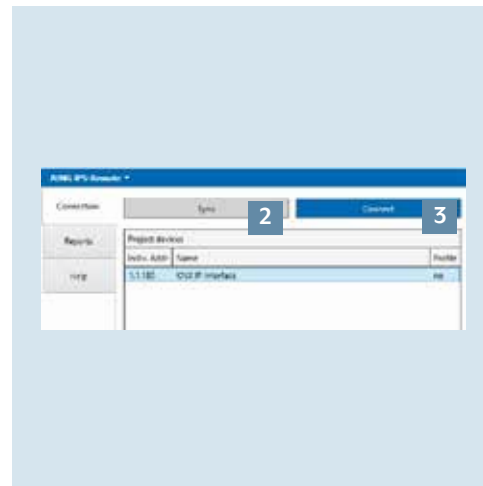
3. Enter [IPS-Remote](#) [2] in the search window and purchase the [ETS app](#).  
 4. Follow the remaining steps in the purchase process.  
 5. Then add the [ETS app](#) to ETS.

## 9. Connect ETS app with IP interface

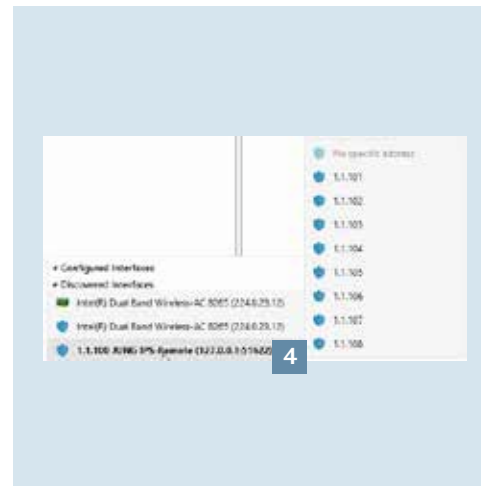
A one-time synchronisation is required to connect outside the local network using the IP interface.



1. Open the *IPS-Remote* [1] ETS app previously added in the Apps tab of the ETS project.



2. Select a compatible interface and click on *Synchronise* [2]. Compatible interfaces are displayed under *Project devices*. You can also reach the IP interface by remote connection after customer release.
3. After customer release, click on *Connect* [3] to establish a connection.



4. You will then find a new, connected *IPS-Remote interface* [4].



5. Alternatively, remote maintenance can also be established via a personal hotspot (e.g. smartphone). For this purpose, the interface must be created manually in the ETS with the IP address 127.0.0.1. The applicable port can be found in the IPS Remote App under the *Reports* tab.

## 10. Complete set-up of the IPS-Remote access

Congratulations – You have set up remote maintenance with IPS-Remote.

With IPS-Remote remote maintenance, you always have the customer KNX systems under control.

Your data will be treated securely and confidentially and are subject to the strict European data protection regulations. JUNG [expressly](#) declares that personal data will not be passed on to third parties.

# 11. Checklist

## SETTING UP IN CONNECTION WITH SMART VISU SERVER (WITHOUT SECURE TUNNELLING)



## SETTING UP IN CONNECTION WITH JUNG VISU PRO (WITH SECURE TUNNELLING)\*



- KNX-IP interface with up-to-date firmware
- Remote maintenance licence IPS-L purchased
- KNX IP interface transmitted using secure commissioning  
Secure tunnelling activated  
Physical address and application transmitted
- Additional application for KNX-IP interface loaded  
Activation code entered  
Secure tunnelling inactive after remote maintenance and restart  
Group address for the Com. object "9: Enable remote maintenance" connected  
Physical address and application transmitted
- ETS app "IPS-Remote" loaded and added to ETS  
ETS app and IP interface synchronised locally
- Functional test of IPS-Remote conducted  
Communication objects released  
ETS app connected to IPS-Remote  
New available interface for IPS-Remote selected

- KNX-IP interface with up-to-date firmware
- Remote maintenance licence IPS-L purchased
- KNX IP interface transmitted using secure commissioning  
Secure tunnelling activated  
Physical address and application transmitted
- Additional application for KNX-IP interface loaded  
Activation code entered  
Secure tunnelling active after remote maintenance and restart  
Group address for the Com. object "9: Enable remote maintenance" connected  
Physical address and application transmitted
- ETS app "IPS-Remote" loaded and added to ETS  
ETS app and IP interface synchronised locally
- Functional test of IPS-Remote conducted  
Communication objects released  
ETS app connected to IPS-Remote  
New available interface for IPS-Remote selected

\* If the JUNG Visu Pro is set up without Secure Tunnelling, Secure Tunnelling must be disabled after remote maintenance and restart.

## Any questions?

We are pleased to help.

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